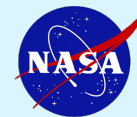
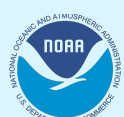


NASA Earth Science Applied Sciences Program

2017 Wildland Fire Program Annual Review Meeting



Co-Hosts



Feb 28th - March 1-2 • Boulder, CO

Welcome to Boulder



Logistics:

- Please check your name off on the check-in sheet;
- Fill out a name tag and please wear such to identify yourself to new attendees;
- You are in the Rooftop Lounge Meeting Room today and tomorrow; Thursday, we are in the Touchdown Club Meeting Room
- During break periods we will be providing snacks and refreshments; Lunches are provided in meeting room;
- We have scheduled short talks during lunch today and tomorrow, towards the later half of the 1-hour break;

Welcome to Boulder



Logistics

- Tonight, our Group Dinner is at West Flanders Brewing Company at 6:30 PM on Pearl Street;
- Wednesday is “Death-By-PowerPoint” day... sorry... please survive with extra caffeine!!
- Thursday, we will have some briefings and discussion period in the morning; NOAA site visit is after lunch; Sher Schranz is leading
- After NOAA site visit, we will have a brief wrap-up session at the Touchdown Club Meeting Room to discuss future meeting plans.

Objective / Goals of Meeting



OBJECTIVES

- Inform on the NASA Wildfire Program Advancements;
- Inform on partner affiliated programs (USFS, JFSP, etc.);
- Increase integration of wildfire EO capabilities into wildfire management.

GOALS

- Build new relationships / knowledge;
- Identify Successes / Challenges;
- **Be relaxed and enjoy learning!**

NASA Wildfire Management Team



Lawrence Friedl:

**NASA Applied Sciences Program Director /
Wildfire Program Manager**

Amber Soja:

Associate Wildfire Program Manager

Vince Ambrosia:

Associate Wildfire Program Manager

Introductions: All



Name:

Organization Affiliation:

Role at Meeting: (PI Presenter, Cheerleader, etc.)

What Are You Looking Forward to This Week?

Tuesday AM Agenda (1st half)



8:15 AM: Introductions (All)

Logistics, Greeting, Introduction: V. Ambrosia, L. Friedl, A. Soja
Around-the-Room Introductions

9:00 AM: L. Friedl, A. Soja, V. Ambrosia: Wildfire Program Overview

9:20 AM: Pls / Teams Brief:

(9:20 - 9:35) Sher Schranz: Wildland Fire Behavior and Risk Prediction;

(9:35 – 9:50) Todd Hawbaker (Jim Vogelmann): Improving National Shrub and Grass Fuel Maps Using Remotely Sensed Data and Biogeochemical Modeling to Support Fire Risk Assessments;

(9:50 - 10:05) Birgit Peterson: Enhanced Wildland Fire Management Decision Support Using Lidar-Infused LANDFIRE Data;

(10:05 – 10:20) Zack Holden: A Prototype System for Predicting Insect and Climate-Induced Impacts on Fire Hazard in Complex Terrain;

10:20 – 10:35 AM: Break (Refreshments / Snacks Provided)

Tuesday AM Agenda (2nd half)



10:20 – 10:35 AM: Break (Refreshments / Snacks Provided)

(10:35 – 10:50) Karyn Tabor: *An Integrated Forest and Fire Monitoring and Forecasting System for Improved Forest Management in the Tropics;*

(10:50 – 11:05) Joshua Picotte (Stephen Howard): *Utilization of Multi-Sensor Active Fire Detections to Map Fires in the US;*

(11:05 - 11:20) Wilfrid Schroeder: *Development and Application of Spatially Refined Remote Sensing Active Fire Data Sets in Support of Fire Monitoring, Management and Planning;*

(11:20 – 11:35) Keith Weber: *RECOVER: Rehabilitation Capability Convergence for Ecosystem Recovery;*

(11:35 – 11:50) Mary Ellen Miller: *Linking Remote Sensing and Process-Based Hydrological Models to Increase Understanding of Wildfire Effects on Watersheds and Improve Post-Fire Remediation Efforts;*

Tuesday PM Agenda



12:30 PM: Lunch Talk: [Vince Ambrosia](#): GEO GWIS

1:00 PM – 2:00 PM: Lessons Learned, Issues, & Barriers to Implementation Discussion Session:

2:00 PM: Collaborative Fire Research Efforts:

(2:00 – 2:20) [Jennifer Balch](#): Human-Started Wildfires Expand the Fire Niche Across the U.S.;

(2:20 – 2:40) [Christine Wiedinmyer](#): Fire Emissions Modeling with EO at NCAR;

(2:40 – 3:00) [Sandra Ryan-Burkett](#): Sedimentation Following Natural Watershed Disturbances: Fire and Flood in Poudre River Watershed;

(3:00 – 3:20) [Amber Soja](#): CALIOP-Derived Plume Injection Heights

3:20 – 3:30 PM: Break (Refreshments / Snacks Provided)

3:30 – 5:00 PM: [Natasha Stavros](#): SAR / NISAR for Fire Observations: Training in Use

5:00 – 5:15 PM: Close of Day Comments / Logistics: L. Friedl, A. Soja, V. Ambrosia

6:30 PM: Group Dinner (West Flanders Brewing Company (on Pearl Street))

Wednesday AM Agenda



8:30 – 8:45 AM: [Lawrence Friedl](#): Socioeconomic Assessment Introduction

8:40 – 10:00 AM: [Kimberley Rollins](#): Invited Speaker – Socioeconomic Measurements for Wildfire

10:00 – 10:15 AM: Break (Refreshments / Snacks Provided)

10:15 – 10:30 AM: [Mary Ellen Miller / Team](#): Socioeconomic Impact Analysis of Linking Remote Sensing and Process-Based Hydrological Models to Improve Post-Fire Remediation Efforts.

10:30 – 10:45 AM: [Sher Schranz / Team](#): Using Earth Observations to Assess the Socioeconomic Impact of Human Decision Making During the Suppression of a Wildland Fire

10:45 – 11:00 AM: [Keith Weber / Team](#): Evaluating the Socioeconomic Impacts of Rapid Assembly and Deployment of Geospatial Data in Wildfire Emergency Response Planning

11:00 – 11:15 AM: [Zack Holden / Team](#): Quantifying Potential Economic Benefits of Incorporating Gridded Fuel Moisture and Weather Data Into Wildland Fire Decision Support in the Northern Rocky Mountains, USA.

11:15 – 11:40 AM: Discussion: Measuring Socioeconomic Success

11:40 – 12:00 PM: [Stacy Drury](#): Managing Unplanned Ignitions for Resource Management Benefit in Northern California

Wednesday PM Agenda (1st half)



12:00 PM – 1:00 PM: Lunch (provided on-site)

Everett Hinkley & Brad Quayle: USFS Remote Sensing Program Overview (12:30 – 1:00 PM);

1:00 – 1:20 PM: Matt Jolly: Wildland Fire Assessment System (WFAS)

1:20 – 1:40 PM: Evans Kuo, Kyle Smith, Mike Quisenberry (NIMO): NIMO Perspective of Operations & Needs

1:40 – 2:00 PM: Ed Brunson & John Hall: Joint Fire Science Program (JFSP) Brief

2:00 – 2:20 PM: Tony Cheng & Gloria Edwards: JFSP Fire Science Exchange Network

2:20 – 2:30 PM: PM Break (Refreshments / Snacks Provided)

Wednesday PM Agenda (2nd half)



2:30 – 2:45 PM: [Ed Brunson & John Hall](#): FASMEE Campaign

2:45 – 3:00 PM: [Amber Soja](#): NASA FIREChem (Component to F3 Campaigns)

3:00 – 3:15 PM: [Tom Moore](#): Integrating F3 in relation to AQ at State and EPA

3:15 – 3:35 PM: [Tom Sanford](#): Climate Central

3:35 - – 3:45 PM: PM Break (Refreshments / Snacks Provided)

3:45 - 4:05 PM: [Sarah Carroll / Brian Woodward](#): NASA DEVELOP Wildfire Applications

4:05 – 4:25 PM: [Chris Doescher](#): LP-DAAC -- Accessing Data

4:25 – 4:45 PM: [Lawrence Friedl / Birgit Peterson](#): Early Adopters Efforts

4:45 – 5:05 PM: [Cindy Schmidt](#): ARSET Workshops and Webinars

5:05 – 5:20 PM: Discussion and Q and A

Thursday AM Agenda



8:15 – 8:30 AM: V. Ambrosia, A. Soja, L. Friedl: *Logistics / Schedule for Day*

8:30 – 9:00 AM: Karyn Tabor / Lawrence Friedl: *X-Prize For Wildfire Suppression*

9:00– 9:30 AM: Lawrence Friedl: *Transitioning to Operations: What is Success?*

9:30– 10:00 AM: *Discussions: Transitioning Into Operations: Using Workshops, Webinars, and Other Methods to Achieve Adoptability; Barriers to Adoptability: How to Overcome*

10:00 – 10:15 AM: *AM Break (Refreshments / Snacks Provided)*

10:15 – 12:00PM: *Continue Discussions: Transitioning Into Operations: Using Workshops, Webinars, and Other Methods to Achieve Adoptability; Barriers to Adoptability: How to Overcome*

12:00 – 1:00 PM: *Lunch (provided on-site)*

1:15 PM: *Green Ride Boulder Bus to NOAA*

Option Focus

10:00 – 11:00

Everyone is involved in discussion

Computers, mobiles, etc. turned off

11:00 – 12:00

Open time (aka, recess)

People can network, do emails, do other work they didn't get to Tuesday and Wed.

Option Multitask

10:00 – 12:00

Everyone is involved in discussion

People can tune into the discussion as they wish and also work on their computer, mobiles, etc. at the same time

Thursday PM Agenda



1:00 PM GreenRide Boulder Bus departs meeting site (CU Stadium) for NOAA

1:30 – 4:00 PM: Sher Schranz (Host): NOAA Visit & Tour

4:00 – 4:15 PM: *Discuss Key Topics from week*

***Discuss Plans for “1-Year-After / Reunion Tour” Meeting”
(these discussions will be at NOAA)***

4:15 PM: *Adjourn Meeting*

4:15 PM: GreenRide Boulder Bus departs for Hyatt Place Hotel